

WHAT IS CLAIMED IS:

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~~1. A composition for livestock feed, comprising a feed for livestock and at least two additives selected from the group consisting of nucleic acid, glutamine and glutamic acid.~~

2. The composition according to claim 1, wherein the feed for livestock is selected from the group consisting of a milk replacer, a pre-starter feed and a starter feed.

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~~3. The feed according to claim 1, wherein the nucleic acid is added in an amount from 0.01 to 2.5% by weight per feed weight; the glutamine and glutamic acid is added in an amount from 0.05 to 2.5% by weight per feed weight; and a mixture of at least two additives selected from the group consisting of nucleic acid, glutamine and glutamic acid is added in an amount from 0.05 to 5% by weight per feed weight.~~

3.4. A method for increasing body weight gain efficiency and feed efficiency in livestock, comprising administering the composition for livestock feed of claim 1 to livestock.

4 5. The method according to claim 3, wherein the composition is administered in the weaning period.

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